







2/5

FIG. 3 DATA DE-SKEW **VARIABLE** ALIGNED $DATA[0] \supset$ DATA[0] DELAY LINE **42** 4,6 40 UP **PHASE** DELAY LINE **DOWN** CONTROL **DETECTOR** DATA DE-SKEW VARIABLE **ALIGNED** DATA[n] □> DELAY LINE DATA[n] 40 UP DELAY LINE **PHASE** DOWN **DETECTOR** CONTROL **CLOCK RECOVERY** -32 **VARIABLE** CLOCK (HALF-RATE) DELAY LINE 36 1/2 38 UP PHASE INT. **PHASE** 30-**DOWN** CONTROL **DETECTOR** 34 QUADRATURE REFERENCE **PHASE ALIGNED** DATA CLOCK **CLOCKS** INTERPOLATOR 50 (FULL RATE)















